

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17986	dish\$1wash\$3 or ware \$1wash\$3 or (kitchen ware\$1wash\$3) AND (additive or detergent) SAME (dispens\$3 or meter\$3 or dos\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/20 16:11
S2	2794	(dish\$1wash\$3 or ware \$1wash\$3 or (kitchen ware\$1wash\$3)) AND ((additive or detergent) SAME (dispens\$3 or meter\$3 or dos\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/20 16:12
S5	20	"5453131", "6035472", "4110075"	US-PGPUB; USPAT	OR	ON	2008/11/21 15:41
S6	830	134/29.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/11/24 08:15
S7	75	134/29.ccls. AND (dish \$1wash\$3 or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/24 08:18
S8	102	134/26.ccls. AND (dish \$1wash\$3 or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/24 08:59
S9	71	134/26.ccls. AND (dish \$1wash\$3 or ware \$1wash\$3) NOT S7	US-PGPUB; USPAT	ADJ	ON	2008/11/24 09:00
S10	597	134/25.2.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/11/24 09:12
S11	2794	(dish\$1wash\$3 or ware \$1wash\$3) AND ((additive or detergent) SAME (dispens\$3 or meter\$3 or dos\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/24 09:37
S12	650	(detergent or additive or agent) near3 (level or monitordetect\$3 or sens\$3) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 17:40

S13	675	(detergent or additive or agent) near3 (level or monitor or detect\$3 or sens\$3) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 17:44
S14	21	(detergent or additive or agent) near3 (level or monitor or detect\$3 or sens\$3) near3 (contamination or soil or dirtiness) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 18:57
S15	66	(detergent or additive or agent) SAME (level or monitor or detect\$3 or sens\$3) near3 (contamination or soil or dirtiness) AND (dish \$1washer or ware \$1wash\$3)	US-PGPUB; USPAT	ADJ	ON	2008/11/25 18:58
S16	1136	134/ 18.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:00
S17	18	dish\$1washer AND ((detergent or additive or agent) near3 level SAME sensor)	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:46
S18	25	dish\$1washer AND ((detergent or additive or agent) near3 (level or volume) SAME (sens \$3 or monitor\$3 or detect\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:47
S19	7	ware\$1washer AND ((detergent or additive or agent) near3 (level or volume) SAME (sens \$3 or monitor\$3 or detect\$3))	US-PGPUB; USPAT	ADJ	ON	2008/11/26 07:58
S20	331	"222".clas. AND dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:05
S21	604	(dish\$1wash\$3 or ware \$1wash\$3) AND ((dispens\$3 or delivery or dos\$3 or meter\$3) near3 (detergent or additive or agent or chemical or product))	EPO; JPO; DERWENT	ADJ	ON	2008/11/26 08:37

S22	764	(dish\$1wash\$3 or ware \$1wash\$3) AND chemical reaction	US-PGPUB; USPAT	ADJ	ON	2008/11/26 08:59
S23	29	(dish\$1wash\$3 or ware \$1wash\$3) SAME chemical reaction	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:24
S24	103	(dish\$1wash\$3 or ware \$1wash\$3) SAME internet	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:39
S25	14	(dish\$1wash\$3 or ware \$1wash\$3) SAME internet same (order or refill)	US-PGPUB; USPAT	ADJ	ON	2008/11/26 09:42
S26	0	"2002040505"	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:04
S27	392	(dish\$1wash\$3 or ware \$1wash\$3) SAME reaction	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:05
S28	524	(dish\$1wash\$3 or ware \$1wash\$3) AND ((dispens\$3 or valve or pump) same reaction)	US-PGPUB; USPAT	ADJ	ON	2008/11/26 11:36
S29	9304	(dish\$1wash\$3 or ware \$1wash\$3 or (kitchen ware\$1wash\$3)) AND (react\$3 or mixture)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 08:36
S30	1114	(dish\$1wash\$3 or ware \$1wash\$3 or (kitchen ware\$1wash\$3)) AND (chemical near3 (react \$3 or mixture))	US-PGPUB; USPAT	ADJ	ON	2008/12/01 08:38
S31	6	"4242051"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 08:58
S32	90	("3032240" "3105615" "3341418" "3708431" "3723324" "3729553" "3762875" "3770641" "3866800" "4002571" "4272393" "4316824" "4336356" "4337318" "4348292" "4401490" "4417993" "4433013" "4456492" "4514326" "4522738" "4619710" "4666625" "4679706" "4683004" "4683008" "4707441"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:20

		"4797231" "4897251" "4965019" "4990327" "5004591" "5141666" "5154917" "5198144" "5264146" "5286402" "5307954" "5392947" "5407595" "5455035" "5562856" "5578562" "5579957" "5613623" "5624465" "5630883" "5665427" "5683976" "5718729" "5747439" "5767055" "5770554" "5776877" "5797986" "5804546" "5862949" "5865345" "5885949" "5931172" "5948792" "5958454" "5962393" "5968453" "5975335" "6065643" "6126697" "6127330" "6136768" "6177092" "6223942" "6245157" "6273960" "6290872" "6302969" "6313086").PN. OR ("6583103").URPN.				
S33	13	(dish\$1wahser or ware \$1washer) AND mix\$3 same (chamber or reactor)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:25
S34	6	(dish\$1wahser or ware \$1washer) AND chemical reaction	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:29
S35	0	(dish\$1wahser or ware \$1washer) AND micro \$1reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:30
S36	0	(dish\$1wahser or ware \$1washer) AND micro reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:30
S37	0	(dish\$1wahser or ware \$1washer) AND micro- reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:30
S38	0	(dish\$1wahser or ware \$1washer) AND reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:30

S39	271	(dish\$1washer or ware \$1washer) AND reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:31
S40	607	(dish\$1washer or ware \$1washer) AND mix\$3 same (chamber or reactor)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:32
S41	2	(dish\$1washer or ware \$1washer) AND micro-reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:45
S42	8	(dish\$1washer or ware \$1washer) AND chemical reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/01 09:46
S43	505	"222".clas. AND dish \$1wash\$3	US-PGPUB; USPAT	ADJ	ON	2008/12/01 09:57
S44	144	S43 and chemical	US-PGPUB; USPAT	ADJ	ON	2008/12/01 09:57
S45	3	(dish\$1washer or ware \$1washer) AND chemical reaction	EPO; JPO; DERWENT	ADJ	ON	2008/12/01 10:08
S46	6	(dish\$1washer or ware \$1washer) AND chemical react\$3	EPO; JPO; DERWENT	ADJ	ON	2008/12/01 10:12
S47	3	wash\$3 AND (chemical react\$3 same dispenser)	EPO; JPO; DERWENT	ADJ	ON	2008/12/01 10:32
S48	25	"4678103"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 10:52
S49	6	"4730381"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 10:53
S50	8	"4110075"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:07
S51	133352	mix\$3 with (chemical or additive)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:40
S52	395	mix\$3 with (chemical or additive) and (dish \$1washer or ware \$washer or wahing machine)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:40
S53	201	combin\$3 with (chemical or additive) and (dish\$1washer or ware\$washer or wahing machine)	US-PGPUB; USPAT	ADJ	ON	2008/12/01 11:48
S54	5	"6513180"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:10
S55	8	(dish\$1wash\$3 or ware \$1wash\$3) SAME react \$3 chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:37

S56	33	(dish\$1wash\$3 or ware \$1wash\$3) SAME ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:38
S57	0	(dish\$1wash\$3 or ware \$1wash\$3) and ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:45
S58	392	(dish\$1wash\$3 or ware \$1wash\$3) and ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:45
S59	4523	(dish\$1wash\$3 or ware \$1wash\$3) and gas	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:59
S60	551	dish\$1wash\$3 same gas	US-PGPUB; USPAT	ADJ	ON	2008/12/01 12:59
S61	0	dish\$1wash\$3 same (dispenser or dosing) same ozone	US-PGPUB; USPAT	ADJ	ON	2008/12/01 13:08
S62	187	(dish\$1wash\$3 or ware \$1wash\$3) and mixing chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/01 13:23
S63	21	(dish\$1wash\$3 or ware \$1wash\$3) same mixing chamber	US-PGPUB; USPAT	ADJ	ON	2008/12/01 13:23
S64	25	US-2627453-\$.DID. OR US-3627684-\$.DID. OR US-3650667-\$.DID. OR US-4188807-\$.DID. OR US-4434629-\$.DID. OR US-4489574-\$.DID. OR US-4755188-\$.DID. OR US-5068937-\$.DID. OR US-5309739-\$.DID. OR US-5345637-\$.DID. OR US-5765403-\$.DID. OR US-6178987-\$.DID. OR US-6513180-\$.DID. OR US-6557732-\$.DID. OR US-6843390-\$.DID. OR US-20040206133-\$.DID. OR US-20050066449-\$.DID. OR US-20050252532-\$.DID. OR US-20060096038-\$.DID. OR US-20060101588-\$.DID. OR US-20060102656-\$.DID. OR US-20060107705-\$.DID. OR US-2078482-\$.DID. OR JP-19900319-\$.DID. OR US-	US-PGPUB; USPAT	ADJ	ON	2008/12/01 15:24

		1756428-\$.DID. OR US-1331018-\$.DID.				
S65	0	multi-chemical dispenser	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:12
S66	621	chemical dispenser	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:13
S67	37	S66 and dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:13
S68	9	S66 and warewasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:38
S69	499	dishwasher AND unstable	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:40
S70	13	"4188807"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 16:45
S71	7	"5453131"	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:37
S72	0	micr-dosing pump	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:47
S73	7	micro-dosing pump	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:47
S74	1690	micro pump	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S75	1	micro pump SAME dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S76	0	micro-pump SAME dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S77	1	micro pump SAME dishwasher	US-PGPUB; USPAT	ADJ	ON	2008/12/01 17:51
S78	25	("2431040" "2643537" "2643665" "3086379" "3133673" "3212677" "3239104").PN. OR ("4188807").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 11:33
S79	111	(dish\$1wash\$3 or ware \$1wash\$3) same pre \$1mix\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 11:48
S80	52	(dish\$1wash\$3 or ware \$1wash\$3) same mixing (chamber or conduit or channel)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 11:56
S82	19	("2724583" "2952209" "2975804" "3038495" "3112884" "3459334" "3643688").PN. OR ("3756457").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 12:41

S83	1	S82 and (dish\$1wash\$3 or ware\$1wash\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 12:42
S84	42	("2218698" "2430668" "3114253" "3116982" "3279481" "3539153" "3600819" "3807418").PN. OR ("3888269").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 15:44
S85	0	dishwash\$3 same sensor same dos\$3 same quantity same detergent	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/17 16:05
S86	1	"20070144558"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/16 07:25
S87	3	"6792637"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/16 07:56
S88	1	(10/040512).APP.	US-PGPUB; USOCR	ADJ	ON	2009/12/16 07:57
S89	0	(dish\$1wash\$3, ware \$1wash\$3) same (selectiv\$3 or control \$3) near2 (dosing or dispens\$3)	US-PGPUB; USOCR	ADJ	ON	2009/12/16 09:23
S90	90	(dish\$1wash\$3, ware \$1wash\$3) same (selectiv\$3 or control \$3) near2 (dosing or dispens\$3)	US-PGPUB; USOCR	OR	ON	2009/12/16 09:23
S91	15	(dish\$1wash\$3, ware \$1wash\$3) same (selectiv\$3) near2 (dosing or dispens\$3)	US-PGPUB; USOCR	OR	ON	2009/12/16 09:25
S92	104	(dishwash\$3 or warewash\$3) and (pump\$3 or dispens \$3) near2 (granul\$3 or powder)	US-PGPUB; USOCR	OR	ON	2009/12/16 11:16
S93	19	(dishwash\$3 or warewash\$3) and (pump\$3 or dispens \$3) near2 (granul\$3 or powder) near5 liquid	US-PGPUB; USOCR	OR	ON	2009/12/16 11:16

12/16/2009 3:08:12 PM

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detergent dispensing.wsp